Section-B (Short Answer)

Note: Answer any EIGHT of the following questions. Each question carries 03 marks.

Q.2 How does the Modern periodic law differ from Mendeleev's periodic law?

Q.3 Define the term " Electroplating".

Q.4 Explain the following:

Atomic Mass   Atomic number   Isotopes

Q.5 Define the characteristics of Ionic compounds.

Q.6 What is nascent hydrogen?

Q.7 Explain the law of constant composition with examples.

Q.8 Enlist the different braches of hydrogen peroxide.

Q.9 Write the physical properties of hydrogen peroxide.

Q.10 Enlist the main points of Dalton's Atomic Theory.

Q.11 What is salt? Write the formula of the following:

Common Salt   Washing Soda   Lime   Potash Alum

Q.12 Give two examples of exothermic and endothermic reactions.

Q.13 Balance the following equations:

(i) $H_2 + O_2$ ---------------- H_2O

(ii) $CH_4 + O_2$ ---------------- $CO_2 + H_2O$

(iii) $Na + H_2O$ ---------------- $NaOH + H_2$

(iv) $NH_3 + Cl_2$ ---------------- $N_2 + HCl$

(v) NH3 + O2 ---------------- $NO + H_2O$

Section-C (Descriptive Answer)

Q.14 (a) What do you mean by strong acids and weak acids? Explain with examples.

(b) Describe the factors affecting the solubility.

Q.15 (a) Discuss chief allotopic forms of carbon.

(b) Define the terms Alkanes, Alkenes and Alkyanes.

Q.16 (a) What is Diffusion? Explain on the basis of kinetic molecular theory.

(b) How does a covalent bond differ from co-oridinate covalent bond?